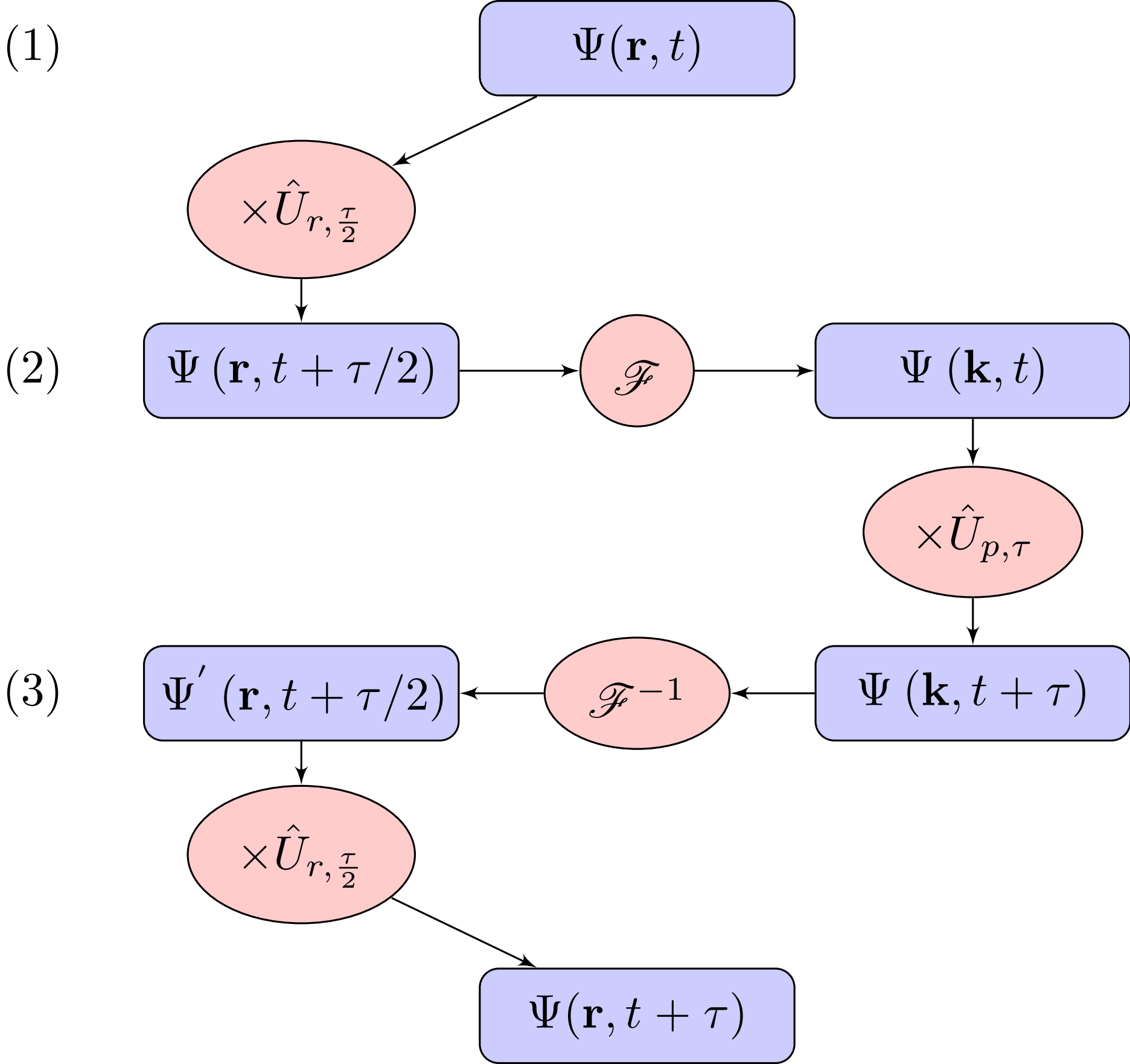
(1)
$\Psi(\mathbf{r},t)$
$\times\hat{U}_{r,\frac{\tau}{2}}$
(2)
$\Psi\left(\mathbf{r},t+\tau/2\right)$
$\mathscr{F}$
$\Psi\left(\mathbf{k},t\right)$
$\times\hat{U}_{p,\tau}$
(3)
$\Psi'\left(\mathbf{r},t+\tau/2\right)$
$\mathscr{F}^{-1}$
$\Psi\left(\mathbf{k},t+\tau\right)$
$\times\hat{U}_{r,\frac{\tau}{2}}$
$\Psi(\mathbf{r},t+\tau)$